

Claims

1. Supporting sleeve for leg or arm stumps, namely a liner, consisting of a sleeve (1) surrounding the stump from its distal end, of an elastic, electrically insulating material, **wherein** the sleeve (1) has at least partially a layer (2) of a conductive material running around.
2. Liner according to claim 1, wherein the electrically conductive layer is applied externally to the sleeve (1).
3. Liner according to claim 2, wherein the layer consists of an elastic, textile material or plastic, made conductive.
4. Liner according to claim 1, wherein the layer is a matrix of electrically conductive material enclosed by the elastic material.
5. Liner according to claim 4, wherein the matrix consists of ordered or unordered threads of a conductive material.
6. Liner according to one of the foregoing claims, wherein a conductive region (5) is arranged between the stump and the layer of a conductive material.
7. Liner according to claim 6, wherein the conductive region is arranged at the distal end of the stump.
8. Liner according to one of the foregoing claims, wherein the liner has a liner cup (3) at its distal end.
9. Liner according to claim 8, wherein the liner cup (3) consists of an electrically conductive material, or is equipped with such.

10. Liner according to claim 9, wherein the liner cup (3) is in contact with the layer of electrically conductive material.
  11. Liner according to claims 7 and 10, wherein an electric region [sic] is arranged between the stump and the liner cup and/or the pin adapter.
  12. Liner according to one of claims 6-11, wherein an electric resistance of  $< 10^5$  ohm is present between the stump and the conductive region.
  13. Liner according to one of claims 8-12, wherein locking means are present between the liner cup and the prosthesis shaft, the locking means being embodied as electrically conducting or electrically insulating.
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Figure 1: "Substitute sheet (Rule 26)"